

IN THE SPECIFICATION

Please amend the paragraphs beginning on page 46, line 1, through page 49, line 18, of the specification as follows:

~~FIG. 1~~

~~INPUT SIGNAL~~

~~CONSTANT ENVELOPE SIGNAL GENERATING SECTION 11~~

~~COMBINING SECTION 14~~

~~OUTPUT SIGNAL~~

~~FIG. 3~~

~~INPUT SIGNAL S_i , S_q~~

~~CONSTANT ENVELOPE SIGNAL IQ GENERATING SECTION 15~~

~~D/A CONVERTER 16A, 16B, 16C, 16D~~

~~PHASE SHIFTER~~

~~LOCAL OSCILLATOR~~

~~PHASE SHIFTER~~

~~COMBINING SECTION 14~~

~~OUTPUT SIGNAL~~

~~FIG. 4, FIG. 7~~

~~INPUT SIGNAL S_i~~

~~INPUT SIGNAL S_q~~

~~CONSTANT-ENVELOPE SIGNAL-GENERATING SECTION 101-~~

~~PILOT-SIGNAL-GENERATING SECTION 102-~~

~~AMPLITUDE-ADJUSTMENT SECTION 119-~~

~~PHASE-ADJUSTMENT SECTION 120-~~

~~CONTROL SECTION 115-~~

~~D/A CONVERTER 106A-~~

~~D/A CONVERTER 106B-~~

~~A/D CONVERTER 118-~~

~~LOCAL OSCILLATOR 109-~~

~~FREQUENCY CONVERTER 116-~~

~~COMBINER 113-~~

FIG-6A

AMPLITUDE

SECOND PILOT SIGNAL COMPONENT

FIRST PILOT SIGNAL COMPONENT

DESIRED SIGNAL COMPONENT

FREQUENCY

FIG-6B

AMPLITUDE

FIRST PILOT SIGNAL COMPONENT

~~SECOND PILOT SIGNAL COMPONENT~~

~~DESIRED SIGNAL COMPONENT~~

~~FREQUENCY~~

FIG.-6C

AMPLITUDE

~~SECOND PILOT SIGNAL COMPONENT~~

~~FIRST PILOT SIGNAL COMPONENT~~

~~PASS FREQUENCY CHARACTERISTIC OF LPF 117 FOR PILOT SIGNAL
DETECTION USE~~

~~FREQUENCY~~

FIG.-8, FIG.-9

AMPLITUDE

~~FIRST PILOT SIGNAL COMPONENT~~

~~SECOND PILOT SIGNAL COMPONENT~~

~~DESIRED SIGNAL COMPONENT~~

~~FREQUENCY~~

FIG.-10 (FIG.-4+)

~~FREQUENCY CHARACTERISTIC CORRECTION SECTION 301-~~

~~CONTROL SECTION 303-~~

PILOT SIGNAL GENERATING SECTION 304

FREQUENCY CONVERTER 305

A/D CONVERTER 307

FIG. 11

GAIN

DESIRED SIGNAL BAND

FREQUENCY

FIG. 12

PHASE

DESIRED SIGNAL BAND

FREQUENCY

FIG. 13

AMPLITUDE

LOWER SIDE FREQUENCY BAND

PILOT SIGNAL COMPONENT

UPPER SIDE FREQUENCY BAND

PILOT SIGNAL COMPONENT

DESIRED SIGNAL

FREQUENCY

FIG. 14

GAIN-FREQUENCY CHARACTERISTIC #1

DESIRED SIGNAL BAND

GAIN-FREQUENCY CHARACTERISTIC #2

FREQUENCY

FIG. 15

AMPLIFIER CIRCUIT 100

CONTROL SECTION 115

LOCAL OSCILLATOR 109

MODEM 404

WIRELESS RECEIVER 403

ANTENNA DUPLEXER 402